

Title (en)  
Nozzle for a burning device

Title (de)  
Düse für eine Verbrennungsvorrichtung

Title (fr)  
Tuyère pour un dispositif à brûler

Publication  
**EP 0707175 A1 19960417 (DE)**

Application  
**EP 95202720 A 19951010**

Priority  
DE 4436908 A 19941015

Abstract (en)  
The nozzle (4) comprises a tube (8), in which a bundle (9) consisting of several small tubes of smaller dia. than the outer tube is melted in. The small tubes are arranged parallel to one another and the same as the outer tube have the form of straight circular cylinders. On the main tube is fitted a conical tube piece (12) by being welded for connecting the nozzle to a hydrogen input conduit (5). The injector comprises two tubes (11,12) fitted to one another and between the first of them (11) and the main tube of the nozzle is a narrow ring-shaped gap (13), through which the oxygen flows into the combustion chamber.

Abstract (de)  
Die Erfindung betrifft eine Düse (4) für eine Verbrennungsvorrichtung, bei der eine verbesserte Flammenform dadurch erreicht wird, daß ein Bündel (9), bestehend aus einer Mehrzahl von Röhrchen, in einem Rohr (8) angeordnet ist. <IMAGE>

IPC 1-7  
**F23D 14/58**

IPC 8 full level  
**F23D 14/32** (2006.01); **F23D 14/22** (2006.01); **F23D 14/58** (2006.01)

CPC (source: EP KR US)  
**F23D 14/58** (2013.01 - EP KR US); **F23D 2900/14642** (2013.01 - EP KR US)

Citation (search report)

- [X] DD 283452 A5 19901010 - JENAER GLASWERK VEB [DD]
- [XY] DE 4231866 A1 19930401 - KOBE STEEL LTD [JP]
- [AY] US 5022853 A 19910611 - POWELL ERIC [US], et al

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